## **EAST Search History**

| Ref<br># | Hits | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--|---------------------|---------|------------------|
| S59      | 20   | (US-5825647-\$ or US-6263299-\$ or US-6978438-\$ or US-7073162-\$ or US-626781-\$ or US-6467076-\$ or US-6649309-\$ or US-6301697-\$ or US-6430737-\$ or US-6928634-\$ or US-6813757-\$ or US-6370679-\$ or US-6312854-\$ or US-6120952-\$ or US-6080527-\$ or US-6643616-\$ or US-6033814-\$ or US-6249904-\$ or US-5815685-\$ or US-6269472-\$).did.   | USPAT  | OR                  | ON      | 2007/05/04 22:21 |
| S60      | 1    | S59 AND (control\$1site (control adj site))  | USPAT  | OR                  | ON      | 2007/05/04 22:41 |
| S61      | 26   | ("20040088149"   "4762396"   "5502654"   "5655110"   "5723233"   "5825647"   "5879844"   "6016357"   "6049660"   "6077310"   "6120952"   "6128067"   "6187483"   "6243855"   "6249904"   "6263299"   "6269472"   "6301697"   "6370679"   "6425117"   "6453452"   "6453457"   "6467076"   "6499003"   "6643616"   "6928634").PN. OR ("7073162").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR                  | ON      | 2007/05/04 22:41 |
| S62      | 0    | S61 AND (control\$1site (control adj site))  | USPAT  | OR                  | ON      | 2007/05/06 17:27 |
| S63      | 20   | (US-5825647-\$ or US-6263299-\$ or US-6978438-\$ or US-7073162-\$ or US-626781-\$ or US-6467076-\$ or US-6649309-\$ or US-6301697-\$ or US-6430737-\$ or US-6928634-\$ or US-6813757-\$ or US-6370679-\$ or US-6312854-\$ or US-6120952-\$ or US-6080527-\$ or US-6643616-\$ or US-6033814-\$ or US-6249904-\$ or US-5815685-\$ or US-6269472-\$).did.   | USPAT  | OR                  | ON      | 2007/05/06 16:33 |
| S64      | 3    | S63 AND ((parallel co\$1incident coincident ) WITH (edge arc))   | USPAT  | OR                  | ON      | 2007/05/06 18:03 |
| S65      | 6    | S63 AND ((edge arc) WITH (curvature (intensity NEAR light)))   | USPAT  | OR                  | ON .    | 2007/05/06 17:35 |
| S66      | 2    | S63 AND (control\$1point (control adj point))  | USPAT  | OR                  | ON      | 2007/05/06 17:41 |
| S67      | 33   | ("20020199157"   "20040005089"   "20040088149"   "4532650"   "4762396"   "5502654"   "5655110"   "5699447"   "5723233"   "5825647"   "5879844"   "6016357"   "6049660"   "6077310"   "6120952"   "6128067"   "6187483"   "6243855"   "6249904"   "6263299"   "6269472"   "6301697"   "6317859"   "6370679"   "6425117"   "6453452"   "6453457"   "6467076"   "6499003"   "6665845"   "6792159").PN. OR ("6928634").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR                  | ON      | 2007/05/06 17:35 |
| S68      | 4    | S67 AND ((edge arc) WITH (curvature (intensity NEAR light)))   | USPAT  | OR                  | ON      | 2007/05/06 17:44 |
| S69      | 1    | S68 not S65  | USPAT  | OR                  | ON      | 2007/05/06 17:36 |
| S70      | 5    | S67 AND ((parallel co\$1incident coincident ) WITH (edge arc))   | ÙSPAT  | OR ·                | ON      | 2007/05/06 17:37 |
| S71      | 1    | S63 AND (dissection\$1point di\$1ssection\$1point evaluation\$1point (dissection adj point) (di\$1ssection adj point) (evaluation adj point))  | USPAT  | OR                  | ON      | 2007/05/06 17:41 |
| S72      | 66   | ·("5124931"   "5206820"   "5656402").PN. OR ("5825647").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR                  | ON      | 2007/05/06 17:44 |
| S73      | 5    | S72 AND ((edge arc) WITH (curvature (intensity NEAR light)))   | USPAT  | OR                  | ON      | 2007/05/06 17:59 |
| S74      | . 47 | ("5422491"   "5561317"   "5667923"   "5698346"   "5700601"  <br>"5792581"   "5825647") PN. OR ("5991006") URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR                  | ON      | 2007/05/06 17:58 |
| S75      | 5    | S74 AND ((edge arc) WITH (curvature (intensity NEAR light)))   | USPAT  | OR                  | ON -    | 2007/05/06 17:59 |
| S76      | 18   | (S72 S74) AND ((parallel co\$1incident coincident ) WITH (edge arc))   | USPAT  | OR                  | ON      | 2007/05/06 18:46 |
| S77      | 0    | (S63 S67 S72 S74) AND (tangent WITH (edge arc))  | USPAT  | OR                  | ON      | 2007/05/06 18:49 |
| S78      | .0   | derivative)  | USPAT  | OR                  | ON      | 2007/05/06 19:47 |
| S79      | 2    | (S63 S67 S72 S74) AND (intensity WITH cutline )  | USPAT  | OR                  | ON      | 2007/05/06 19:47 |
| S80      | 4    | (("6973633") or ("7155699")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/05/06 20:22 |

## **EAST Search History**

| S81 | 15 | (("7178128") or ("6681379") or ("7169515") or ("6457168") or ("7181721") or ("7155699") or ("6301697") or ("6457168") or ("6523165")).PN | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/06 20:47 |
|-----|----|--|--|----|-----|------------------|
|-----|----|--|--|----|-----|------------------|

## IFWsrch\_am.txt

http://www.google.com/
"Techniques to detect and analyze photomask CD uniformity errors"
"Model-Based OPC Using the MEEF Matrix"
Nicolas Cobb "control site"
Nicolas Cobb "control site" OPC -7073162 -20050097501
"Fast Optical and Process Proximity Correction Algorithms for Integrated Circuit Manufacturing"
"Fast Sparse Aerial Image Calculation for OPC" +pdf OR +ps
"Fast, Low-Complexity Mask Design,"
"Fast Sparse Aerial Image Calculation for OPC"
"Large Area Phase-Shift Mask Design"
"Using OPC to Optimize for Image Slope and Improve Process Window"
"Generalized MEEF Theory"
"MEEF as a Matrix,"
"Two-Dimensional G-MEEF Theory and Applications,"
"Process Proximity Correction Using an Automated Software Tool,"
"Evaluation of a Fast and Flexible OPC Package: OPTISSIMO,"
"Lithography Computer Aided Design Technology for Embedded Memory in Logic,"